



# CONSTRUCTION EQUIPMENT

413706 ALL COUNTY VOLVO EC140 314542 - HYDRAULIC SYSTEM



**Sample No:** VCP440371  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 413706 ALL COUNTY



**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
 Contact: Robert LaPlante  
 robert.laplante@altg.com  
 T: (407)508-9736  
 F: (407)659-8720

## SAMPLE INFORMATION

Sample Number	VCP440371	---	---	---
Sample Date	13 Nov 2023	---	---	---
Machine Hours	2892	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	█ 40.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.47	---	---	---

## CONTAMINATION

Water	%	<0.1	---	---	---
Particles >4µm		█ 15211	---	---	---
Particles >6µm		█ 4059	---	---	---
Particles >14µm		█ 341	---	---	---
ISO 4406:1999 (c)		21/19/16	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

## WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 21	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 260	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 479	---	---	---
Phosphorus	ppm	█ 351	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 7	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO0096  
**Unique No:** 10749848  
**Signed:** Wes Davis  
**Report Date:** 20 Nov 2023

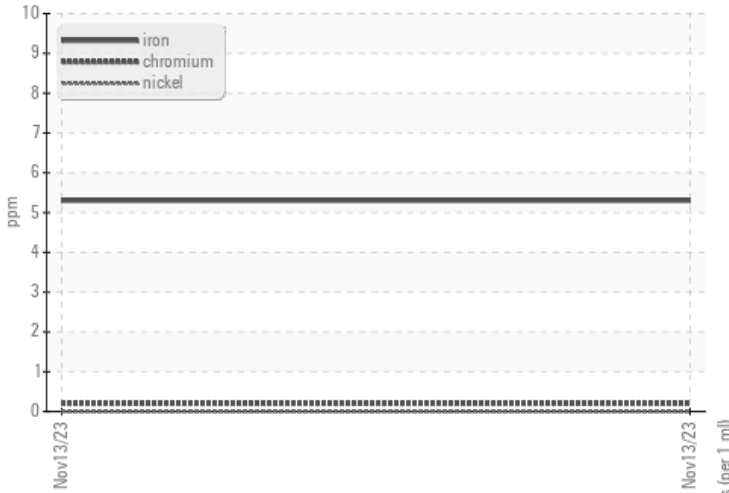


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## GRAPHS

### Ferrous Alloys



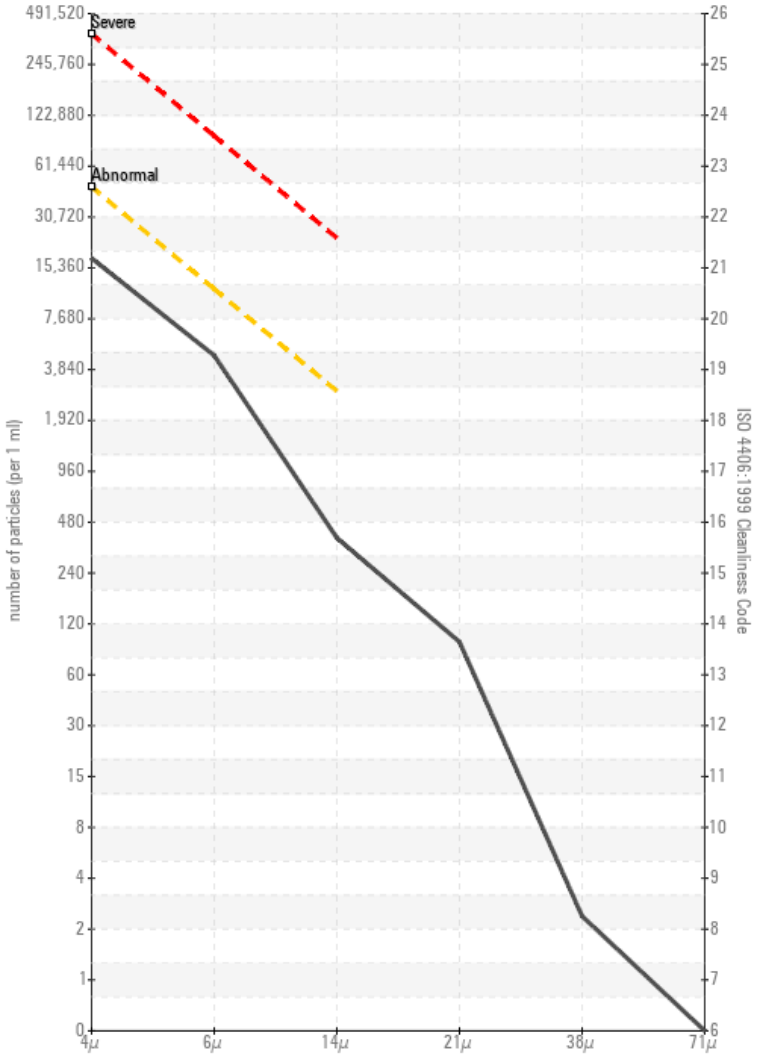
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

